

ABSTRACT OF THE INVENTION

Embodiments of the invention provide techniques for calibrating voltage-controlled oscillators (VCOs). Multiple VCOs may be disposed on a chip with the VCOs having different frequency ranges. The VCOs may be selected and tested to determine a desired VCO to use to tune to a selected channel frequency. Each of the VCOs has multiple possible varactor configurations. The varactor configurations of the desired VCO determined to be used to tune to the selected channel frequency can be selected and tested to determine a desired varactor configuration for the desired VCO. The desired VCO with the desired varactor configuration will preferably be able to produce a full range of desired frequencies corresponding to all channel frequencies desired.